Low Energy Electronic Ignition System for NOFBX Thrusters, Phase I

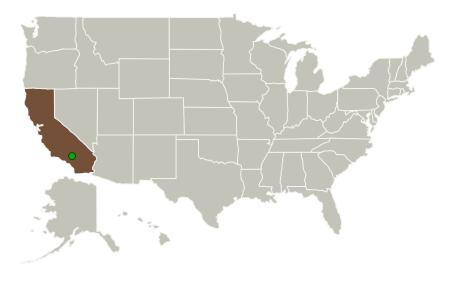


Completed Technology Project (2012 - 2012)

Project Introduction

We propose to develop a miniature, low RF noise ignition module for NOFBX propulsion systems. This ignition module is designed utilizing unique properties of the NOFBX propellant to enable a potential 2-3 order magnitude reduction in spark ignition energy, voltage, current, and power under a very special set of condition realized only in an NOFBX combustion chamber.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Туре	Location
Firestar Engineering, LLC	Lead Organization	Industry	Mojave, California
• Armstrong Flight Research Center(AFRC)	Supporting Organization	NASA Center	Edwards, California

Primary U.S. Work Locations

California



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Small Business Innovation Research/Small Business Tech Transfer

Low Energy Electronic Ignition System for NOFBX Thrusters, Phase I



Completed Technology Project (2012 - 2012)

Project Transitions

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February 2012: Project Start



August 2012: Closed out

Closeout Documentation:

• Final Summary Chart(https://techport.nasa.gov/file/140324)

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

Firestar Engineering, LLC

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Greg S Mungas

Co-Investigator:

Greg Mungas

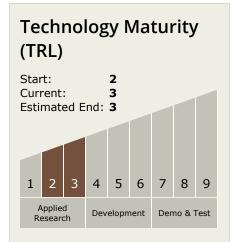


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Completed Technology Project (2012 - 2012)



Technology Areas

Primary:

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System

